

CLAIMS

What is claimed is:

1. An image scanner comprising:

a single contact glass disposed on a main body, the contact glass having a first range through which a first original document is passed to be scanned, and a second range over which a second original document is positioned to be scanned, the second range including the first range;

an image sensor scanning the first original document at a fixed position in the first range and scanning the second original document while the image sensor moves through the second range;

an automatic document feeder arranged on the main body covering the contact glass and being openable to expose the contact glass, the automatic document feeder conveying the first original document through a feed path to the fixed position and ejecting the first original document through an ejecting path from the fixed position; and

a detector adapted to detect when the automatic document feeder is opened and to detect a leading edge of the first original document whenever a document page is conveyed along the feed path to the first fixed position.

2. The image scanner as in Claim 1 wherein the detector is operatively mounted on the automatic document feeder.

3. The image scanner as in Claim 2 wherein the detector comprises an optical switch.

4. The image scanner as in Claim 3 wherein the optical switch provides a light beam which is operatively interrupted by a pivotally mounted swing member.

5. The image scanner as in Claim 1 further comprising an automatic document feeder controller, the detector electrically coupled to the controller, the controller responsive to signals generated by the detector for preventing the conveyance of a document page of the first original document to the fixed position whenever a document page of the second original document is positioned on the contact glass in the second range.